

## **Historic, Archive Document**

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Ag 854 E  
Cap 6

# Schedule of Classes

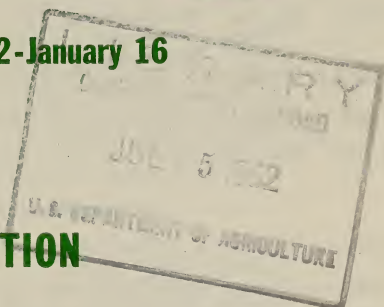
## Fall Semester 1952

U.S. Department of Agriculture  
Graduate School

Undergraduate and  
graduate studies



September 22-January 16



### REGISTRATION

#### Time

September 13 thru September 20

Saturdays, 9-4 p.m.

Monday thru Friday, 9-6:30 p.m.

#### Place

Patio, First Floor,

Administration Building

U.S. Department of Agriculture

14th St. and Independence Ave.

Washington, D. C.

# Class Schedule and Supplement to 1952-53 Catalog

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**Classes begin** during week of September 22, end January 16. All classes meet in the evening unless otherwise indicated.

**Complete details**, including rules, regulations, and course descriptions, are given in the 1952-53 Catalog, a copy of which may be obtained from the Graduate School office. Training officers of your agency have a copy which you may examine.

**Counseling** on courses and programs of study is available at all times from members of the school staff.

**Registration:** See schedule on front cover. No one may register for credit after October 3 except with the permission of the Registrar.

**Late registration:** After September 20, a \$2.00 per course late registration fee is charged.

**Course Transfers:** Until October 3, students may transfer from one course to another without extra charge. After October 3, there is a transfer fee of \$1.00 per course.

**Change in credit-audit status:** Requests to change a registration from credit to audit or vice versa will not be accepted after October 24.

**Withdrawals and refunds:** Refunds in cases of withdrawal will be granted according to the following schedule:

Thru October 3: Tuition less \$5.00 registration fee.

October 6-17: 60% of tuition.

October 20-31: 40% of tuition.

A minimum of \$5.00 will not be refunded. Withdrawals will be computed as of date application is received in Graduate School office. No refund for any reason will be granted after October 31.

**Textbooks:** Sold in Room 1041, South Agriculture Building

September 13 thru September 26

Monday thru Friday, 1-6:30 p.m.

Saturdays, 9 a.m. to 4 p.m.

September 29 thru October 10

Monday thru Friday, 4:30-6:20 p.m.

After October 10

Monday thru Friday, 4:30-5:30 p.m.

**USDA Library:** Reading Room (Room 1052, South Building), open Monday thru Friday 8:30 a.m. to 8:30 p.m.; Saturdays 9-1.

**Business office:** Room 1031, South Agriculture Building.

Telephone: REpublic 4142, Extension 6337.

Hours: 9:00 a.m. to 6:15 p.m., Monday thru Friday.

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## Spring Semester

Registration begins January 24. Classes begin week of February 2.

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Classes are open to non-government as well as  
government personnel

**Explanation:** Basic information about each course is given in the following order: course number, title, semester hours of credit, instructor, day and hour of class meeting, fee, and page of 1952-53 Catalog on which description may be found.

## BIOLOGICAL SCIENCES

- 1-250A. **Bacteriology**<sup>1</sup> (First Half) (3) Instructor to be announced Th 6:10-10:00 \$27 and \$10 laboratory fee p. 15
- 1-320A. **Human Physiology**<sup>1</sup> (First Half) (3) Olson M 6:10-10:00 \$27 and \$10 laboratory fee p. 16
- 3-405A. **Introduction to Experimental Statistics** (First Half) (2) Hendricks Th 6:10-8:00 \$20 p. 35
- 1-518. **New Developments in Insecticides** (2) Bishopp W 6:10-8:00 \$20 p. 16
- 1-609. **Recent Developments in Plant Physiology**<sup>2</sup> (2) Parker M 5:40-7:30 \$20 p. 17.
- 3-535. **Statistics of Bio-Assay** (2) Cornfield, Lieberman M 6:10-8:00 \$20 p. 37

## LANGUAGES AND LITERATURE

### ENGLISH AND LITERATURE

- 2-118. **Practical English Usage** (2) \$18 p. 18  
Section I Samson Th 6:10-8:00  
Section II Weber F 6:10-8:00
- 2-119. **Vocabulary Building** (2) Murphy Th 6:10-8:00 \$18 p. 18
- 4-120. **Government Letter Writing** (2) A. Ames M 6:10-8:00 \$18 p. 44
- 2-126. **Medical Terminology** (2) Bollo Th 6:10-8:00 \$18
- 2-222A. **English Composition** (First Half) (3) Miller Tu 6:10-8:40 \$27 p. 18
- 2-223. **Descriptive English Grammar** (2) Harman Th 6:10-8:00 \$18 p. 19
- 2-230. **Beginning Playwriting** (2) McCabe W 6:10-8:00 \$18 p. 19
- 2-235. **Fiction Writing** (2) McGerr M 6:10-8:00 \$18 p. 19
- 2-280. **Feature Writing** (2) Scott W 6:10-8:00 \$18 p. 19
- 2-330A. **Great Books I** (2) Ruppert W 6:10-8:00 \$18 p. 20
- 2-332A. **Great Books II.** (2) Cheney Tu 6:10-8:00 \$18 p. 20
- 2-335. **Teachings of the Great World Religions** (3) Keene Tu 6:10-8:40 \$27 p. 20

### INFORMATION METHODS

- 2-75A. **Introduction to Library Techniques** (First Half) (non-credit) Daniels W 7:10-9:00 \$18 p. 21
- 2-220. **Indexing** (1) Doyle M 6:10-7:00 \$9 p. 21
- 2-225. **Principles of Editing and Their Application** (3) Miller, Edwards M-W 7:10-8:30 \$27 p. 21
- 2-226. **Introduction to Official Writing** (2) McClarren Th 7:10-9:00 \$18 p. 22
- 2-240. **Audio-Visual Aids in Information and Education** (2) Reid, Webster Th 6:10-8:00 \$18 p. 22
- 2-247. **News Writing** (2) Kany M 6:10-8:00 \$18 p. 22
- 2-450. **Workshop in Technical Writing** (2) Gilstrap Th 6:10-8:00 \$20 p. 23
- 7-482. **Social Psychology of Communication** (2) Fitzpatrick M 6:10-8:00 \$20 p. 90
- 2-552. **The Logic of Mechanizing Information** (1) Baylis, Taube M 6:10-8:00 (eight weeks) \$10 p. 23

### SPEECH

- 2-228. **Fundamentals of Speech** (2) Roser Th 6:10-8:00 \$18 and \$1.50 laboratory fee p. 23
- 2-232. **Voice and Remedial Speech** (2) Emery Tu 6:10-8:00 \$18 and \$1.50 laboratory fee p. 24
- 2-400. **Persuasive Speaking** (2) Beauchamp M 6:10-8:00 \$20 p. 24

<sup>1</sup> Meets at Wilson Teachers College.

<sup>2</sup> Meets at Plant Industry Station.

## FOREIGN LANGUAGES

- 2-253A. Elementary French (First Half) (3) Arnould, de Marne Tu 6:10-8:40 \$27 p. 24
- 2-253B. Elementary French (Second Half) (3) Etienne M 6:10-8:40 \$27 p. 24
- 2-254A. Intermediate French (First Half) (3) Arnould W 6:10-8:40 \$27 p. 25
- 2-255A. Advanced French—Conversation (2) Etienne W 6:10-8:00 \$18 p. 25
- 2-259A. Elementary German (First Half) (3) Lederer M-W 6:10-7:30 \$27 p. 25
- 2-259B. Elementary German (Second Half) (3) Ponti M 6:10-8:40 \$27 p. 25
- 2-260A. Intermediate German (First Half) (3) Lederer Tu-Th 6:10-7:30 \$27 p. 25
- 2-261A. Advanced German—Conversation (2) Bauer W 6:30-8:20 \$18 p. 25
- 2-270A. Elementary Italian (First Half) (3) Ponti W 6:10-8:40 \$27 p. 26
- 2-290A. Elementary Portuguese (First Half) (3) Ornstein W 6:10-8:40 \$27 p. 26
- 2-295A. Elementary Russian (First Half) (4) Tarakus M-Th 6:10-8:00 \$36 p. 26
- 2-295B. Elementary Russian (Second Half) (4) Korenev-Rockwell M-Th 6:10-8:00 \$36 p. 26
- 2-296A. Intermediate Russian (First Half) (3) Saharov Th 6:10-8:40 \$27 p. 26
- 2-297A. Conversational Russian (First Half) (3) Saharov W 6:10-8:40 \$27 p. 26
- 2-299A. Advanced Russian (First Half) (3) Saharov Tu 6:10-8:40 \$27 p. 26
- 2-300A. Elementary Spanish (First Half) (3) Jaffe W 6:10-8:40 \$27 p. 27
- 2-300B. Elementary Spanish (Second Half) (3) Johnston W 6:10-8:40 \$27 p. 27
- 2-301A. Intermediate Spanish (First Half) (3) Romero W 6:10-8:40 \$27 p. 27
- 2-302A. Spanish Composition and Conversation (First Half) (2) G. Supervia Th 6:10-8:00 \$18 p. 27
- 2-574A. Advanced Spanish Conversation and Literature (First Half) (2) R. Supervia Th 6:10-8:00 \$20 p. 27

## MATHEMATICS AND STATISTICS

### MATHEMATICS

- 3-2. Review of Calculus (non-credit) Kaplan Tu-Th 6:10-7:30 \$27 p. 32
- 3-102. College Algebra (4) Rhodes M-Th 6:10-8:00 \$36 p. 32
- 3-206A. Calculus (First Half) (4) Kusner M-Th 6:10-8:00 \$36 p. 32
- 3-425A. Fundamental Mathematics from an Advanced Standpoint (First Half) (2) Kusner Tu 6:10-8:00 \$20 p. 33
- 3-502A. Differential Equations (First Half) (2) Lancaster Th 6:10-8:00 \$20 p. 33
- 7-645. Mathematical Economics (First Half) (2) Instructor to be announced W 6:10-8:00 \$20 p. 79

### STATISTICS

- 3-126A. Introductory Statistics (First Half) (2) \$18 p. 34  
Section I Larsen W 6:10-8:00  
Section II Purves Tu 6:10-8:00
- 3-126B. Introductory Statistics (Second Half) (2) Rauchschwalbe W 6:10-8:00 \$18 p. 34
- 3-318. Machine Tabulation (2) Kaufman W 6:30-8:20 \$18 p. 34
- 3-319. Advanced Applications of Tabulating Equipment (2) Kaufman F 6:30-8:20 \$18 p. 34
- 8-305A. Elements of Statistical Drafting (First Half) (2) Guidry M 6:30-8:20 \$18 and \$1 laboratory fee p. 103



- 3-380A. **Principles of Statistical Analysis (First Half)** (3) Stauber Tu-Th 6:15-7:30 \$27 p. 35
- 3-405A. **Introduction to Experimental Statistics (First Half)** (2) Hendricks Th 6:10-8:00 \$20 p. 35
- 3-435. **Sampling in Social and Economic Surveys** (3) Nisselson M 6:15-8:45 \$30 p. 36
- 7-448. **Population Statistics I: Basic Sources and Methods** (3) Siegel Tu 6:30-9:00 \$30 p. 89
- 3-507A. **Statistical Methods in Engineering and Industrial Production (First Half)** (2) Pabst Tu 6:10-8:00 \$20 p. 37
- 3-520. **Government Statistics** (2) Ullman W 6:10-8:00 \$20 p. 37
- 3-535. **Statistics of Bio-Assay** (2) Cornfield, Lieberman M 6:10-8:00 \$20 p. 37
- 3-560. **Theory of Electronic Digital Computing Machines** (2) Cannon Tu 6:30-8:20 \$20 p. 38
- 5-572. **Experimental Design in the Physical Sciences—Seminar** (2) Burrows Tu 6:10-8:00 \$20 p. 55
- 3-735A. **Theory of Sample Surveys (First Half)** (2) Steinberg W 7:30-9:20 \$20 p. 35
- 3-741A. **Theory and Application of the Characteristic Function (First Half)** (2) Jacobs Th 6:10-8:00 \$20 p. 36
- 3-748. **Introduction to Mathematical Analysis** (3) Geisler W 6:10-8:40 \$30 p. 36
- 3-753. **Recent Changes in Uses and Requirements of Statistical Data** (1) Ullman M 6:10-7:00 \$10 p. 38
- 3-025. **The Federal Statistical System (non-credit)** Alpert Four lectures Oct. 1, 15, 29 and Nov. 12. Registration not required.

## OFFICE TECHNIQUES AND OPERATIONS

### ADMINISTRATIVE PROCEDURES

- 4-101. **Business Mathematics** (2) Botts Th 6:10-8:00 \$18 p. 40
- 4-108. **Administrative Procedure** (2) Hickey M 6:10-8:00 \$18 p. 40
- 4-110. **Federal Auditing Procedure** (2) Selinsky W 6:10-8:00 \$18 p. 41
- 4-112. **Federal Accounting Procedure** (3) Tierney Tu 6:10-8:40 \$27 p. 41
- 4-113. **Federal Property Procedure** (2) Baldauf Th 6:10-8:00 \$18 p. 41
- 4-114. **Federal Personnel Procedure** (2) Mohagen M 6:10-8:00 \$18 p. 41
- 4-115A. **Federal Purchasing Procedure (First Half)** (2) Baldauf M 6:10-8:00 \$18 p. 42
- 4-116. **Federal Budgetary Procedure** (2) McWhorter, Grant Tu 6:10-8:00 \$18 p. 42
- 4-117. **Records Management Procedure** (2) Luttrell, Lando Tu 6:10-8:00 \$18 p. 42
- 4-201. **Supervision** (2) Sharar M 6:10-8:00 \$18 p. 42
- 4-208. **Advanced Administrative Procedure** (2) Adams Tu 6:10-8:00 \$18 p. 43
- 4-214. **Advanced Federal Personnel Procedure** (2) Peterson Th 6:10-8:00 \$18 p. 43
- 4-325. **Secretarial Practices** (3) Groff W 6:10-8:40 \$27 and \$1.50 laboratory fee p. 45
- 4-413. **Office Management** (2) Braum M 6:10-8:00 \$20 p. 44

### LETTER, PROCEDURE AND REPORT WRITING

- 4-120. **Government Letter Writing** (2) A. Ames M 6:10-8:00 \$18 p. 44
- 2-226. **Introduction to Official Writing** (2) McClarren Th 7:10-9:00 \$18 p. 22
- 4-420. **Procedure or Directive Systems** (2) Allsman, S. Ames M 6:10-8:00 \$20 p. 44
- 4-422. **Systems for Reports and Forms Management** (2) Allsman, H. Bell Tu 6:10-8:00 \$20 p. 45
- 2-450. **Workshop in Technical Writing** (2) Gilstrap Th 6:10-8:00 \$20 p. 23

## SHORTHAND AND SECRETARIAL PRACTICES

- 4-89. **Review of Gregg—Anniversary (non-credit)** Flinchum  
M-Th 6:10-7:30 \$27 p. 47
- 4-129. **Beginning Gregg I—Simplified (3)** \$27 p. 47  
Section I<sup>1</sup> Wilkey M-W-F 6:10-7:00  
Section II N. Taylor M-W-F 6:10-7:00  
(Section II is open to USDA employees only)
- 4-130. **Beginning Gregg II—Simplified<sup>1</sup> (3)** Wilkey M-W-F  
7:10-8:00 \$27 p. 47
- 4-225. **Gregg Shorthand Simplified, 60-80 Words (3)** Bell  
Tu-Th 6:10-7:30 \$27 p. 47
- 4-226. **Gregg Shorthand, Simplified and Anniversary, 80-100 Words<sup>1</sup> (3)** Rowland M-Th 6:10-7:30 \$27  
p. 47
- 4-231. **Gregg Shorthand, 100-130 Words<sup>1</sup> (3)** Harlin M-Th  
6:10-7:30 \$27 p. 47
- 4-335. **Introduction to Reporting, Gregg—130 to 150 Words (4)** Butler M-Th 6:10-8:00 \$36 p. 48 (Open to stenotypists and non-Gregg writers)
- 4-336. **Reporting, Gregg—150-175 Words (4)** Bernard M-Th 6:10-8:00 \$36 p. 48 (Open to stenotypists and non-Gregg writers)
- 4-337. **Reporting, Gregg—175-200 Words (4)** Romagna M-Th 6:10-8:00 \$36 p. 48 (Open to stenotypists and non-Gregg writers)
- 4-325. **Secretarial Practices (3)** Groff W 6:10-8:40 \$27 and \$1.50 laboratory fee p. 45

## PHYSICAL SCIENCES

### CHEMISTRY, METALLURGY

- 8-188A. **Glass Blowing<sup>2</sup> (2)** Clark M-W 5:10-6:30 \$18 and \$7.50 laboratory fee p. 105
- 5-248A. **Organic Chemistry (First Half)<sup>3</sup> (4)** Williamson M-Th 6:30-9:00 \$36 and \$10 laboratory fee p. 49
- 5-425. **Chemicals in Food (2)** Radomski Th 6:10-8:00 \$20 p. 50
- 5-453. **Principles of Process Metallurgy (2)** Loring Tu 6:30-8:20 \$20 p. 53
- 5-515A. **Physical Biochemistry (First Half) (2)** Horwitz M 6:10-8:00 \$20 p. 50
- 5-522A. **Advanced Biochemistry (First Half) (2)** S. Hess Th 6:10-8:00 \$20 p. 50
- 5-540. **Introduction to Chemical Kinetics (2)** Levy Th 6:10-8:00 \$20 p. 50
- 5-625. **Specialized Analytical Techniques (2)** Woodard Tu 6:10-8:00 \$20 p. 51
- 5-630. **Enzymatic Basis of the Pharmacological Action of Drugs (2)** C. D. Johnston W 6:10-8:00 \$20 p. 51
- 5-572. **Experimental Design in the Physical Sciences—Seminar (2)** Burrows Tu 6:10-8:00 \$20 p. 55

### GEOGRAPHY, METEOROLOGY, SOILS

- 5-310. **Methods in Climatology (2)** Thom Tu 6:10-8:00 \$18 p. 53
- 5-360. **General Oceanography (2)** Vetter Tu 6:10-8:00 \$18 p. 55
- 5-415. **Applied Climatology (3)** Jacobs M 6:10-8:40 \$30 p. 54
- 5-420. **Physiography of Eastern United States (2)** Aberdeen Tu 6:10-8:00 \$20 p. 52
- 5-533A. **Hydrology (First Half) (3)** Kohler Tu 6:10-8:40 \$30 p. 54
- 5-534A. **Introduction to Dynamic Meteorology (First Half) (2)** Instructor to be announced M 6:10-8:00 \$20 p. 54
- 5-535A. **Fluid Mechanics (First Half) (2)** Tepper Th 6:10-8:00 \$20 p. 54
- 5-536A. **Physical and Synoptic Meteorology (First Half) (3)** Shuman W 6:10-8:40 \$30 p. 54

<sup>1</sup> Meets at Foreign Service Institute (State Department).

<sup>2</sup> Meets at Naval Research Laboratory.

<sup>3</sup> Meets at Wilson Teachers College.



- 5-537A. **Weather Analysis and Forecasting** (First Half) (3) Gray, Winston Tu 6:10-8:40 \$30 and \$4 laboratory fee p. 54
- 5-560. **Soil Physics** (2) Slater W 6:10-8:00 \$20 p. 53
- 5-705A. **Selected Topics in Meteorology** (First Half) (3) Winston and others W 6:10-8:40 \$30 p. 55

## PUBLIC ADMINISTRATION

### GENERAL ADMINISTRATION

- 6-320. **Introduction to Administrative Law and Procedure** (2) E. C. Johnson Tu 6:10-8:00 \$18 p. 68
- 6-341. **American National Government** (2) Small W 6:10-8:00 \$18 p. 59
- 6-344. **Introduction to Public Administration** (3) Brown W 6:10-8:40 \$27 p. 59
- 6-351. **Political Parties** (3) Smith M 6:10-8:40 \$27 p. 59
- 6-405A. **Principles and Techniques of O & M Work** (First Half) (2) Levine Th 6:10-8:00 \$20 p. 63
- 6-450. **Principles of Scientific Management** (3) Asay Tu 6:10-8:40 \$30 p. 61
- 6-515. **The Legislative Process** (2) Lapham Tu 6:10-8:00 \$20 p. 61
- 6-519. **Work Standards and Work Measurement** (2) Williams, Bennewitz Tu 6:10-8:00 \$20 p. 62
- 6-550. **Internal Organization Patterns** (3) P. Taylor M 6:10-8:40 \$30 p. 62
- 6-585. **Establishing and Administering O & M Work** (2) Stone, Luton Tu 6:30-8:20 \$20 p. 64
- 6-600. **Readings and Papers in Public Administration** (3) Thurston Time to be arranged \$30 p. 63

### FINANCIAL AND BUDGETARY ADMINISTRATION

- 6-361. **Hospital Business Administration II: Cost Analysis Methods and Budgeting** (2) Spanier M 6:10-8:00 \$18 p. 65
- 6-525. **Financial Organization and Procedures of the Federal Government** (2) Tiller Tu 6:10-8:00 \$20 p. 65
- 6-635. **Budgetary and Financial Administration: Budget Formulation** (2) Roberts, Wheeler Th 6:10-8:00 \$20 p. 65

### PERSONNEL ADMINISTRATION

- 6-430. **Public Personnel Administration** (2) Couch W 6:10-8:00 \$20 p. 66
- 6-435. **Selection and Placement** (2) Instructor to be announced Th 6:10-8:00 \$20 p. 67
- 6-444. **Position Classification** (2) Laxton, Findlay Tu 6:10-8:00 \$20 p. 67
- 6-580. **Classification and Pay Administration** (2) Buckley M 6:10-8:00 \$20 p. 67
- 6-620. **Administration of Training** (2) Draheim M 6:10-8:00 \$20 p. 68

### LAW

- 6-320. **Introduction to Administrative Law and Procedure** (2) E. C. Johnson Tu 6:10-8:00 \$18 p. 68
- 6-422A. **Business Law** (2) E. C. Johnson M 6:10-8:00 \$20 p. 69
- 6-638. **Government Defense Contracts** (2) Silverstein W 6:10-8:00 \$20 p. 70

### PROCUREMENT AND PROPERTY MANAGEMENT

- 4-113. **Federal Property Procedure** (2) Baldauf Th 6:10-8:00 \$18 p. 41
- 4-115A. **Federal Purchasing Procedure** (First Half) (2) Baldauf M 6:10-8:00 \$18 p. 42
- 8-405. **Principles of Specifications** (2) Rosenzweig Tu 6:10-8:00 \$20 p. 97
- 6-638. **Government Defense Contracts** (2) Silverstein W 6:10-8:00 \$20 p. 70

## ACCOUNTING

- 6-352A. **Principles of Accounting (First Half)** (3) \$27 p. 72  
Section I W. H. Rowe M 6:10-8:40, W 6:10-7:00  
Section II Marshall Tu 6:10-8:40, Th 6:10-7:00
- 6-352B. **Principles of Accounting (Second Half)** (3) Smith  
Tu 6:10-8:40; Th 6:10-7:00 \$27 p. 73
- 6-353A. **Intermediate Accounting (First Half)** (3) Hord M  
6:10-8:40 \$27 p. 73
- 6-354. **Federal Government Accounting** (3) Mason W  
6:10-8:40 \$27 p. 73
- 6-361. **Hospital Business Administration II: Cost Analysis  
Methods and Budgeting** (2) Spanier Tu 6:10-8:00  
\$18 p. 65
- 6-420. **Advanced Accounting** (3) Acker Tu 6:10-8:40 \$30  
p. 73
- 6-645. **Federal Tax Accounting** (3) Moyer W 6:10-8:40  
\$30 p. 74
- 6-646A. **Advanced Accounting Problems (First Half)** Acker  
Th 6:10-8:40 \$30 p. 74
- 6-694. **Specialized Federal Accounting Systems** (3) Nolan  
Tu 6:10-8:40 \$30 p. 74

## SOCIAL SCIENCES

### ECONOMICS

- 7-110. **Introductory Survey of Economics** (2) Burroughs  
M 8:10-10:00 \$18 p. 78
- 7-201A. **Principles of Economics (First Half)** (3) Burroughs,  
Allin W 6:10-8:40 \$27 p. 78
- 7-325. **Managing Personal Finances** (3) Larsen Tu 6:10-  
8:40 \$27 p. 78
- 7-480A. **Money and Banking (First Half)** (2) Radford Th  
6:30-8:20 \$20 p. 78
- 7-548A. **Economic Analysis (First Half)** (3) Atkinson Tu  
6:10-8:40 \$30 p. 78
- 7-615. **Inter-industry Economics** (2) Glazer M 7:10-9:00  
\$20 p. 79
- 7-645A. **Mathematical Economics (First Half)** (2) Instructor  
to be announced W 6:10-8:00 \$20 p. 79

### AGRICULTURAL ECONOMICS—TRANSPORTATION

- 7-207. **Economics of Farm Production** (3) Bachman Th  
6:10-8:40 \$27 p. 81
- 7-410. **Land Economics** (3) V. W. Johnson Tu 6:10-8:40  
\$30 p. 82
- 7-414A. **Economics of Marketing (First Half)** (2) Southworth,  
Trelogan W 6:10-8:00 \$20 p. 82
- 7-461. **Transportation Rates and Rate Determination** (2)  
Dolch Th 6:30-8:20 \$20 p. 82
- 7-468. **Current Transportation Problems** (3) Leavens Th  
6:10-8:40 \$30 p. 83
- 7-530A. **Methods of Price Analysis (First Half)** (2) Foote,  
Walsh W 6:10-8:00 \$20 p. 83
- 7-750. **Farm Price Policy** (2) Wells M 6:10-8:00 \$20 p. 84

### COOPERATIVE EXTENSION EDUCATION

- 7-450. **Principles and Techniques of Teaching** (2) Gallup  
First meeting Wed. Sept. 24, 6:10-8:00 \$20 p. 85
- 7-535. **Basic Evaluation, Research Methods and Techniques**  
(2) Sabrosky First meeting Tues. Sept. 23, 6:10-8:00  
\$20 p. 85

### HUMAN RELATIONS

- 7-050. **Health and Medical Service Problems, Policies and  
Programs** (non-credit) Klem, Johnston M 6:10-  
8:00 No fee. Registration is required. p. 87
- 7-060. **Improving Group Work** (non-credit) Dreis, Longmore  
W 6:10-8:00 \$18 p. 87
- 7-105. **Introduction to the Study of Human Relations** (2)  
Longmore M 6:10-8:00 \$18 p. 87
- 7-210. **General Psychology** (3) Albee Tu 6:10-8:40 \$27  
p. 87

- 7-304. **The Conditions of Personality Growth** (2) Brun-  
schwig W 6:10-8:00 \$18 p. 88
- 7-325. **Managing Personal Finances** (3) Larsen Tu 6:10-  
8:40 \$27 p. 88
- 7-332. **Contemporary National Cultures** (3) Rodnick W  
6:10-8:40 \$27 p. 89
- 7-400. **Introduction to General Semantics** (2) Saunders  
W 7:30-9:20 \$20 p. 89
- 7-470A. **Applications in General Semantics** (1) Saunders  
Th 7:30-9:20 (Every other week) \$10 p. 90
- 7-482. **Social Psychology of Communication** (2) Fitz-  
patrick M 6:10-8:00 \$20 p. 90
- 7-515. **Group Processes in Agricultural and Rural Life Pro-  
grams** (3) C. C. Taylor, Longmore M 6:10-8:40  
\$30 p. 91
- 7-519. **The American Farmers' Movement** (3) C. C. Taylor  
Tu 6:10-8:40 \$30 p. 91

## POPULATION

- 7-301. **World Population Problems** (3) Kirk M 6:10-8:40  
\$27 p. 88
- 7-448. **Population Statistics I: Basic Sources and Methods**  
(3) Siegel Tu 6:30-9:00 \$30 p. 89

## HISTORY AND INTERNATIONAL RELATIONS

- 7-250. **American History to 1865** (3) Rasmussen Th 6:10-  
8:40 \$27 p. 93
- 7-324. **International Relations** (3) Gross W 6:10-8:40 \$27  
p. 93
- 7-452. **Soviet Government and Political Institutions** (2)  
Tereshtenko Th 7:10-9:00 \$20 p. 93 (May be taken  
with 7-453)
- 7-453. **Soviet Asia** (1) Tereshtenko Th 6:10-7:00 \$10 p. 93  
(May be taken with 7-452)
- 7-478. **Twentieth Century Britain** (3) Gross M 6:10-8:40  
\$30 p. 94
- 7-519. **The American Farmers' Movement** (3) C. C. Taylor  
Tu 6:10-8:40 \$30 p. 91
- 7-655. **The British Commonwealth and the U. S.** (3) H. D.  
Hall Tu 6:10-8:40 \$30 p. 94
- 7-665. **Far Eastern International Relations** (3) P. H. Taylor  
Tu 6:10-8:40 \$30 p. 95
- 7-735A. **Foreign Relations of the Soviet Union, 1917-1950—  
Seminar** (2) Epstein Tu 6:10-8:00 \$20 p. 95

## TECHNOLOGY AND ARTS

### ENGINEERING

- 8-115. **Practical Electronics** (2) Sanders W 6:10-8:00 \$18  
p. 97
- 8-402. **Principles and Practice of Refrigeration** (2) Garver  
Tu 6:10-8:00 \$20 p. 97
- 8-405. **Principles of Specifications** (2) Rosenzweig Tu 6:10-  
8:00 \$20 p. 97
- 8-510A. **Analysis of Statically Indeterminate Structures**  
(First Half) (2) Fischer W 6:10-8:00 \$20 p. 98
- 5-535A. **Fluid Mechanics (First Half)** (2) Tepper Th 6:10-  
8:00 \$20 p. 54
- 8-561. **Fundamentals of Telephony II** (2) Neikirk Tu 6:30-  
8:20 \$20 p. 98
- 8-570. **Regional Planning** (3) Instructor to be announced  
Tu 6:10-8:40 \$30 p. 98
- 8-702A. **Electric Utility Engineering (First Half)** (2) Jessel,  
Thomas M 6:10-8:00 \$20 p. 99

### SURVEYING AND MAPPING

- 8-120. **Introduction to Photogrammetry** (2) Esten W  
6:30-8:20 \$18 p. 100
- 8-208. **Aerial Photographic Interpretation** (3) Churchill  
Tu 6:10-8:40 \$27 p. 101
- 8-212. **Photogrammetry I** (2) Higginson W 7:10-9:00 \$18  
p. 101

- 8-218. **Geodetic Surveying** (3) Parkin M 6:10-8:00 (Field trips on 4 Saturdays as arranged) \$30 and \$2.50 laboratory fee p. 100
- 8-222. **Cartography I—Technical Elements** (2) Everett Tu 6:10-8:00 \$18 p. 101
- 8-430. **Theory of Map Projections** (2) Instructor to be announced W 6:30-8:20 \$20 p. 102

## ARCHITECTURE AND DRAFTING

- 8-305A. **Elements of Statistical Drafting** (First Half) (2) Guidry M 6:30-8:20 \$18 and \$1 laboratory fee p. 103
- 8-316. **Landscape Design—Small Property** (2) Gardner M 6:30-8:20 \$18 p. 103
- 8-324. **Basic Mechanical Drawing I<sup>1</sup>** (2) Wiemer Th 6:10-10:00 \$27 and \$3 laboratory fee p. 104
- 8-340. **Architectural Drafting I<sup>1</sup>** (2) Wiemer M 6:10-10:00 \$27 and \$2.50 laboratory fee p. 104
- 8-342. **Architectural Drafting III** (2) Wiemer M 6:10-10:00 \$27 and \$2.50 laboratory fee p. 104

## FINE ARTS

- 8-320. **Water Color Painting<sup>1</sup>** (2) Lyon M-Th 6:10-8:00 \$27 p. 102
- 8-321. **Pencil Sketching—Life Drawing** (2) McKenna Tu-Th 6:10-8:00 \$27 p. 103
- 8-323. **Portrait Painting in Oil** (2) Lazzari M-W 6:10-8:00 \$27 p. 103
- 8-333. **Survey of Art** (2) Richards Tu 6:10-8:00 \$18 p. 103

## TECHNICAL ARTS—HOME ECONOMICS

- 8-40. **Flower Arrangement** (non-credit) Smith F 6:10-8:00 \$18 p. 105
- 8-55. **Introduction to Interior Decoration** (non-credit) Hensley Tu 6:30-8:20 \$18 and \$1.50 laboratory fee p. 105
- 8-65. **Modern Homemaking for Employed Men and Women** (non-credit) Adelson M 6:10-8:00 \$18 p. 105 (Husband and wife may register with one fee.)
- 8-188A.<sup>2</sup> **Glass Blowing** (2) Clark M-W 5:10-6:30 \$18 and \$7.50 laboratory fee p. 105
- 8-230. **Home Furnishings I—Furniture** (2) Hensley Th 6:30-8:20 \$18 p. 105
- 8-415. **Food Cost Control** (2) Frolich W 6:40-9:30 \$20 p. 106

## PHOTOGRAPHY

- 8-70. **Survey of Photography** (non-credit) McHenry W 7:10-9:00 \$18 p. 106
- 8-80. **Survey of Motion Picture Photography** (non-credit) Hooks Tu 6:10-8:00 \$18 p. 106
- 8-85. **Offset Lithographic Reproduction I** (non-credit) Ball Th 6:10-8:00 \$18 p. 106
- 8-192. **Fundamentals of Photography I** (2) Cobb M 6:10-8:00 \$18 p. 107
- 8-193. **Practice of Photography I** (2) Beales W 6:10-9:00 (Ten weeks) \$18 and \$3 laboratory fee p. 107
- 8-194. **Salon Techniques, Art and Composition** (2) Ball Tu 6:10-8:00 \$18 and \$2 laboratory fee p. 107
- 8-270. **Color Photography I—Camera Techniques** (3) Young Th 6:10-8:40 \$27 and \$12.50 laboratory fee p. 108
- 8-360A. **Portrait Photography** (First Half) (2) Purdy F 6:10-8:00 \$18 and \$4 laboratory fee p. 108
- 8-011. **Photographic Roundtable** (non-credit) Purdy (Time to be arranged. No fee. Registration is required.) p. 106

<sup>1</sup> Meets at Wilson Teachers College.

<sup>2</sup> Meets at Naval Research Laboratory.





